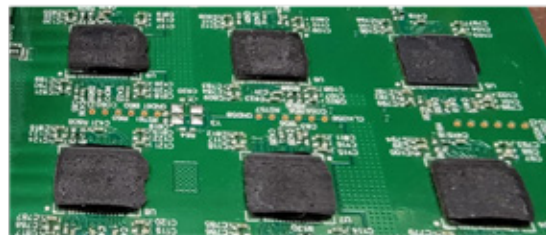
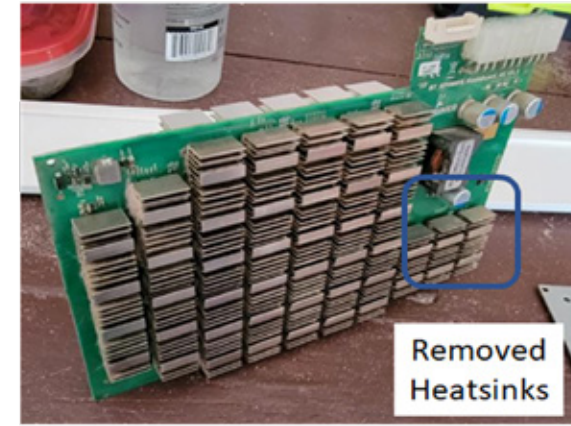
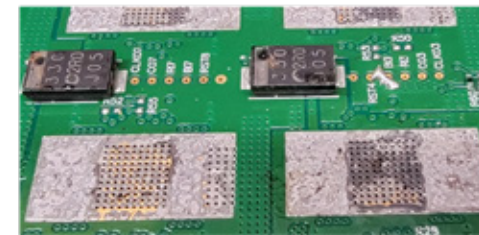


Brief: Collaborating with a Harris Engineer to build a farm of liquid cooled Antminers. Using Aluminum as the stock to be milled into the following heatsinks for Crypto Mining. Next Wave's Shark SD110 CNC Machine & Inventor's HSM are the tools driving the milling.

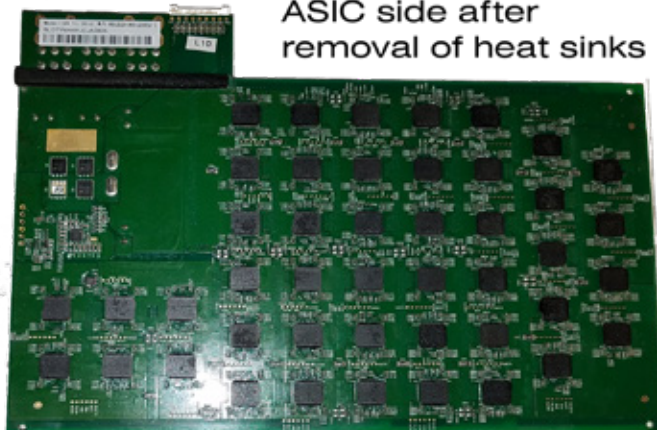
Test Unit -- Antminer V9



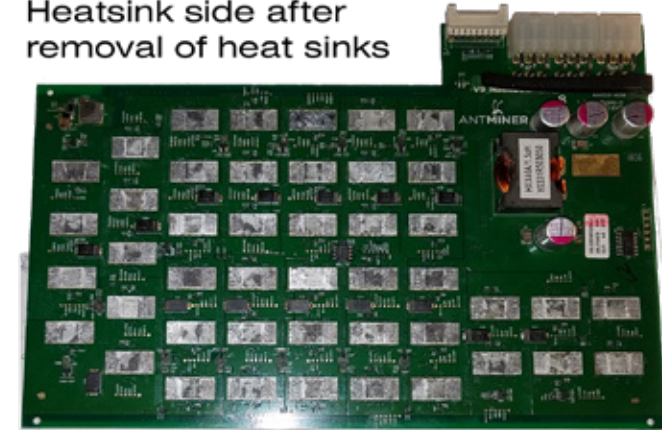
ASIC side after removal of heat sinks



Heatsink side after removal of heat sinks

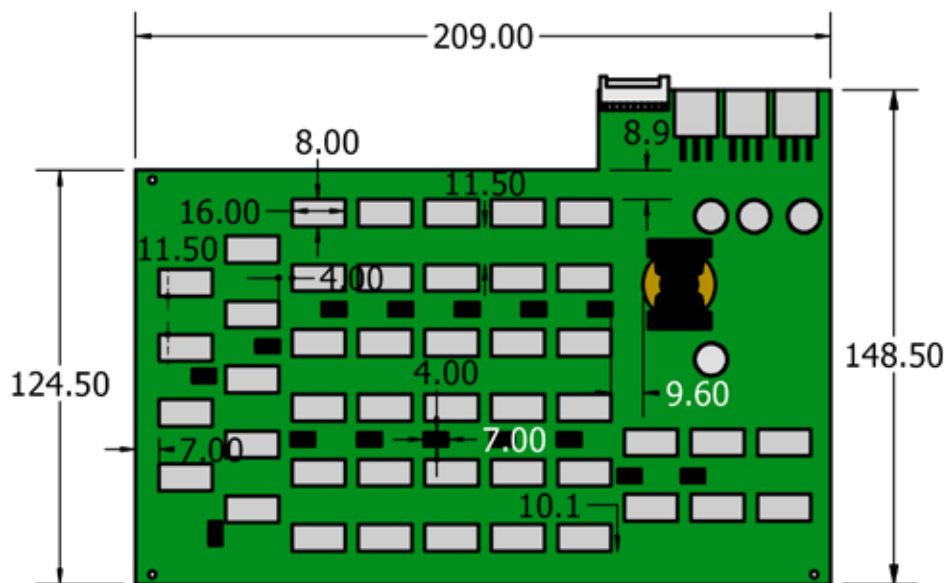
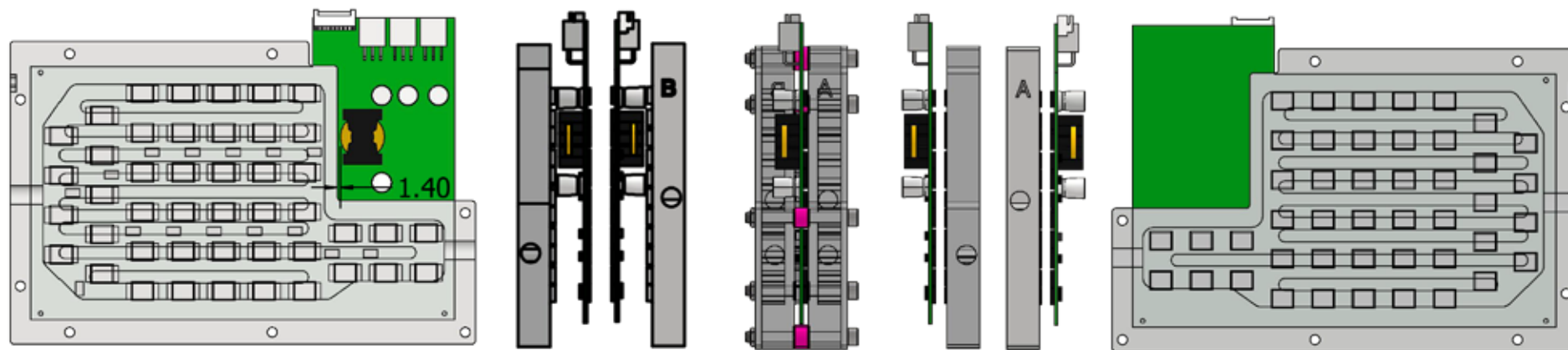


Chip Side

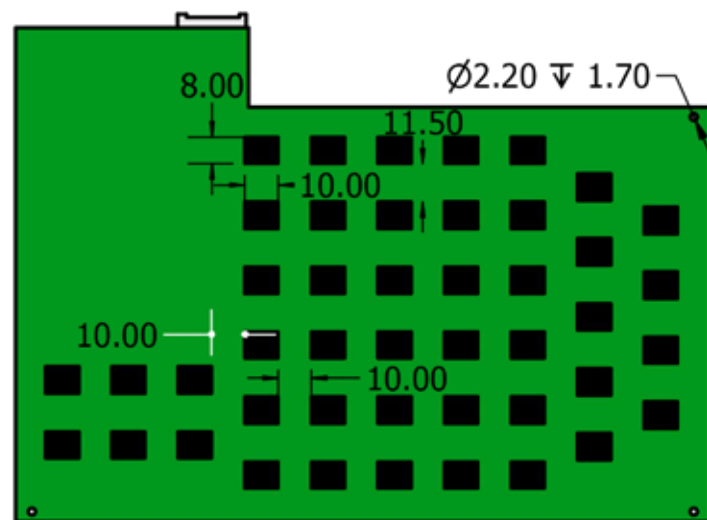


Heatsink Side

Antminer V9 Card



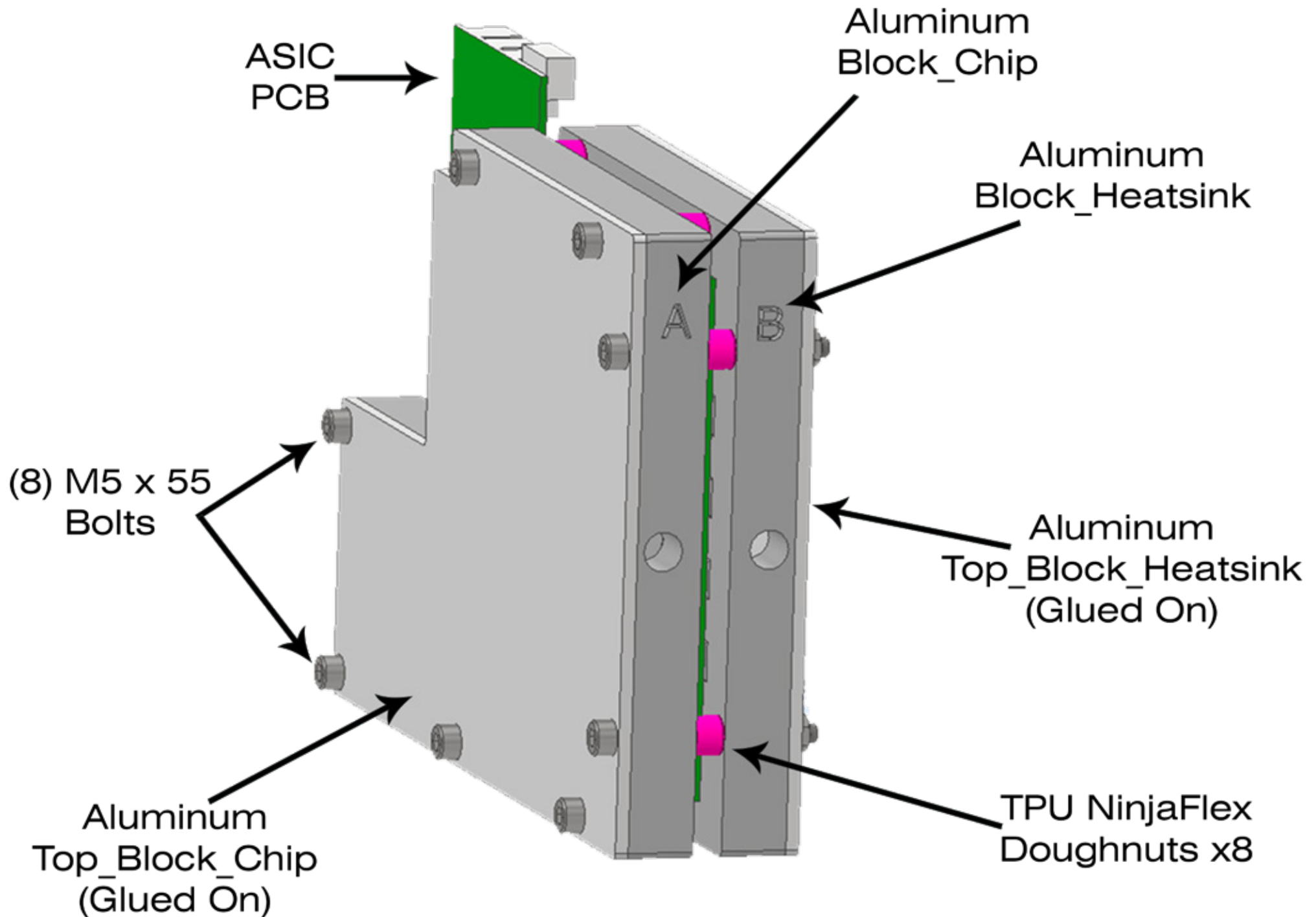
Heatsink Side

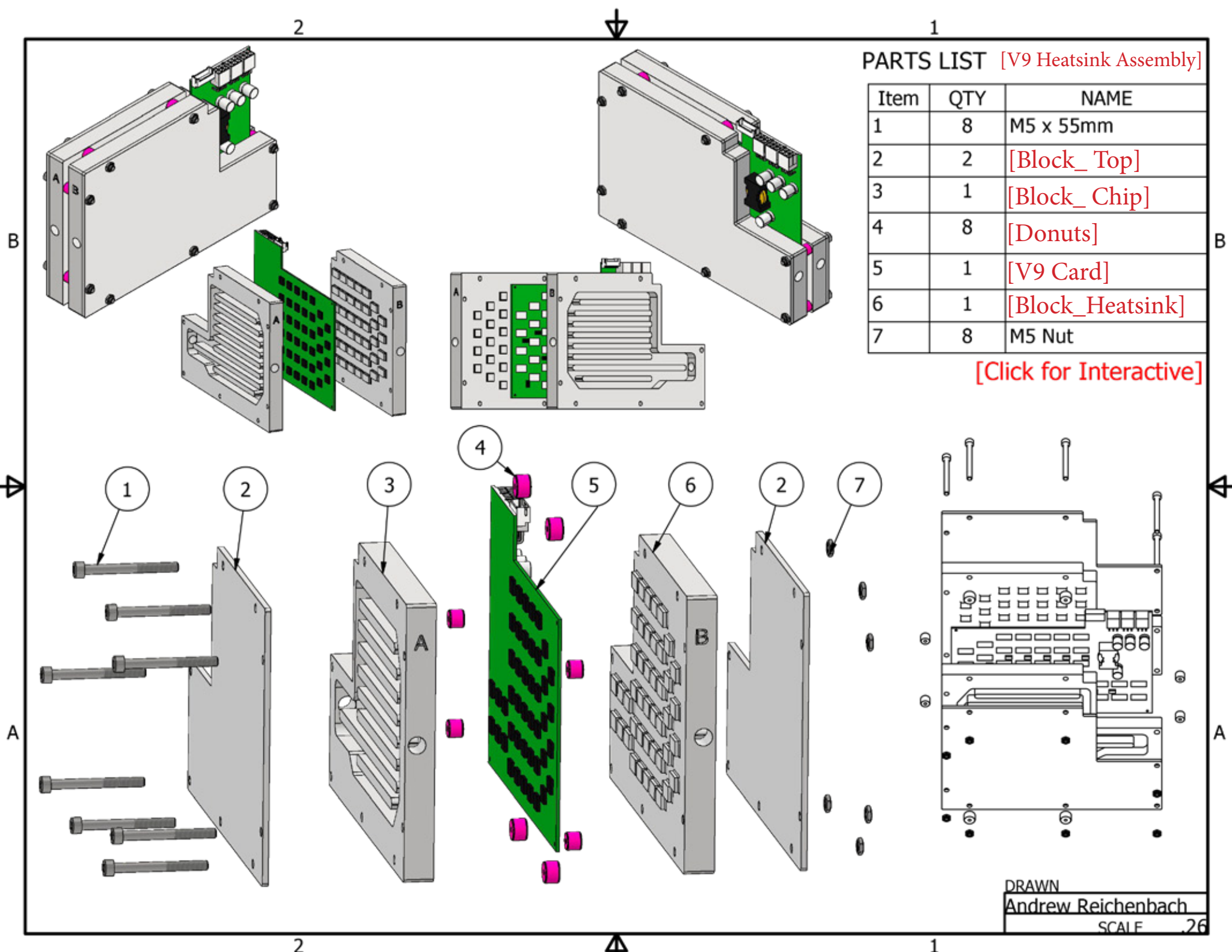


Chip Side

DRAWN [\[Interactive\]](#)
 Andrew Reichenbach
 SCALE .44

Conceptual Design: Water Cooling Block Layout





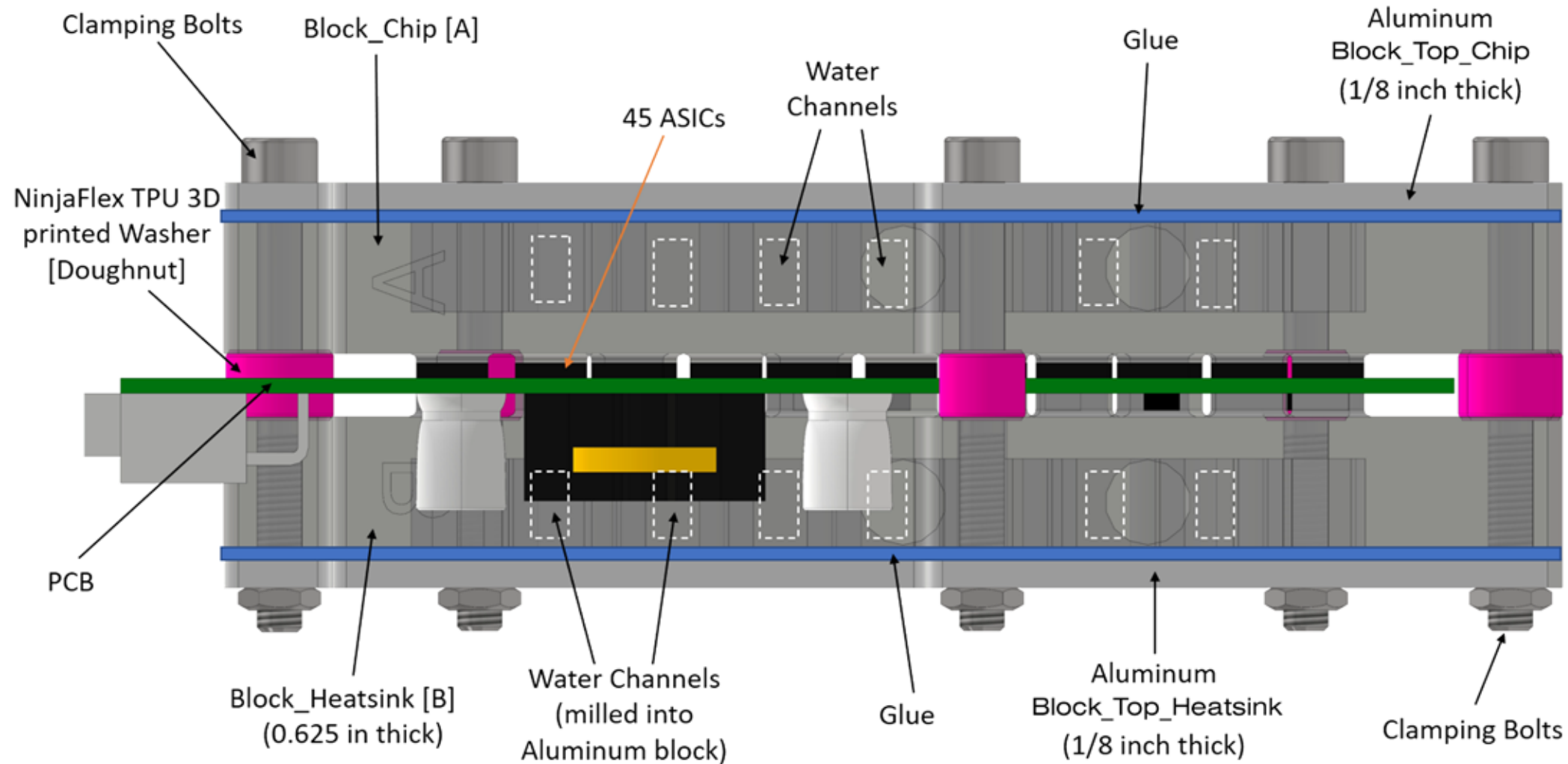
PARTS LIST [V9 Heatsink Assembly]

Item	QTY	NAME
1	8	M5 x 55mm
2	2	[Block_Top]
3	1	[Block_Chip]
4	8	[Donuts]
5	1	[V9 Card]
6	1	[Block_Heatsink]
7	8	M5 Nut

[\[Click for Interactive\]](#)

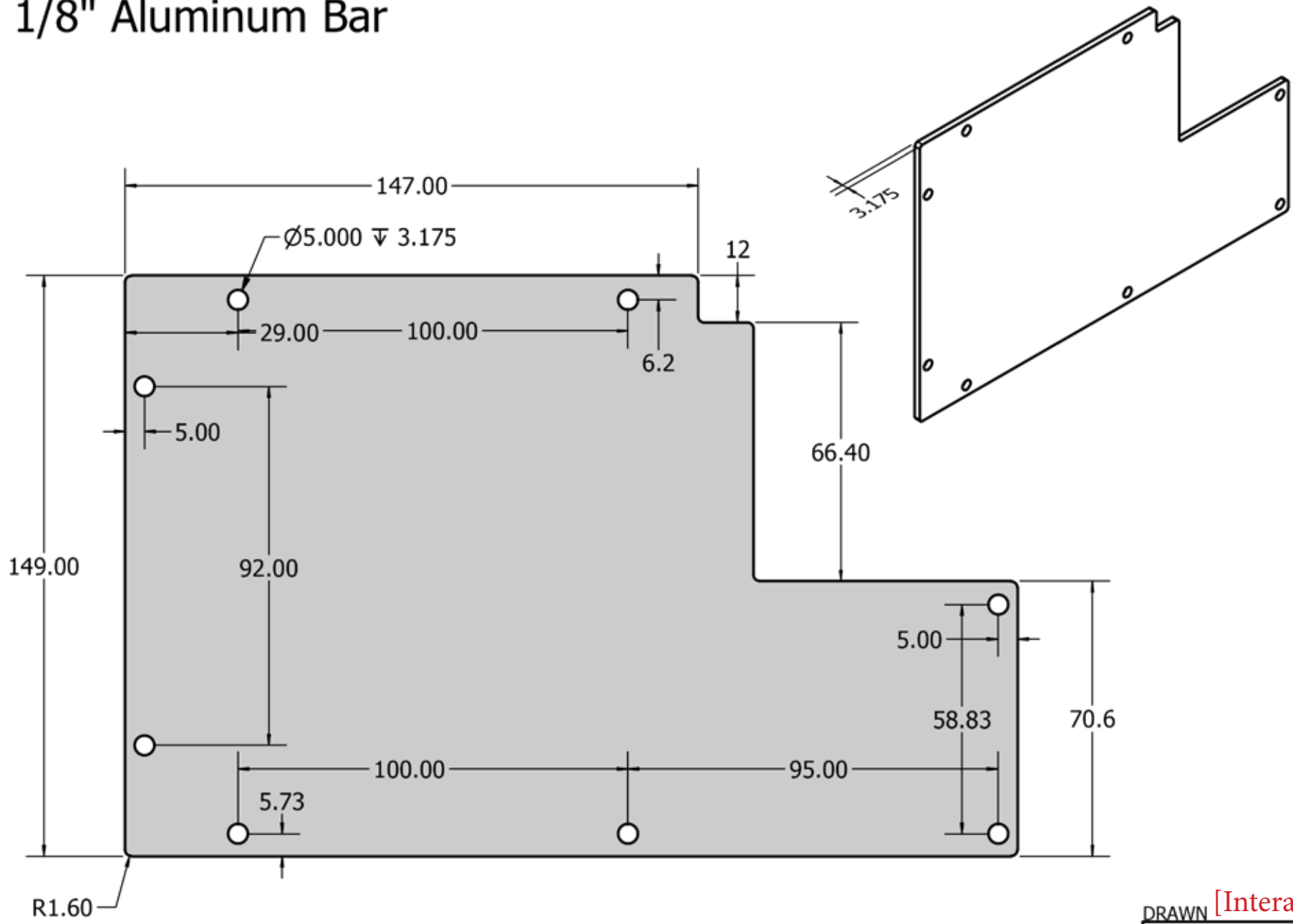
DRAWN
 Andrew Reichenbach
 SCALE .26

Conceptual design of desired water cooling machined block layup



Block Top (x2)

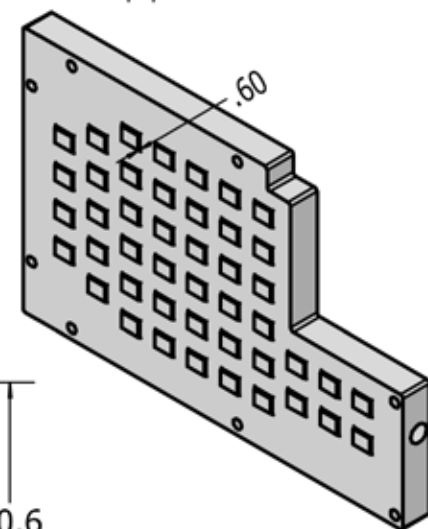
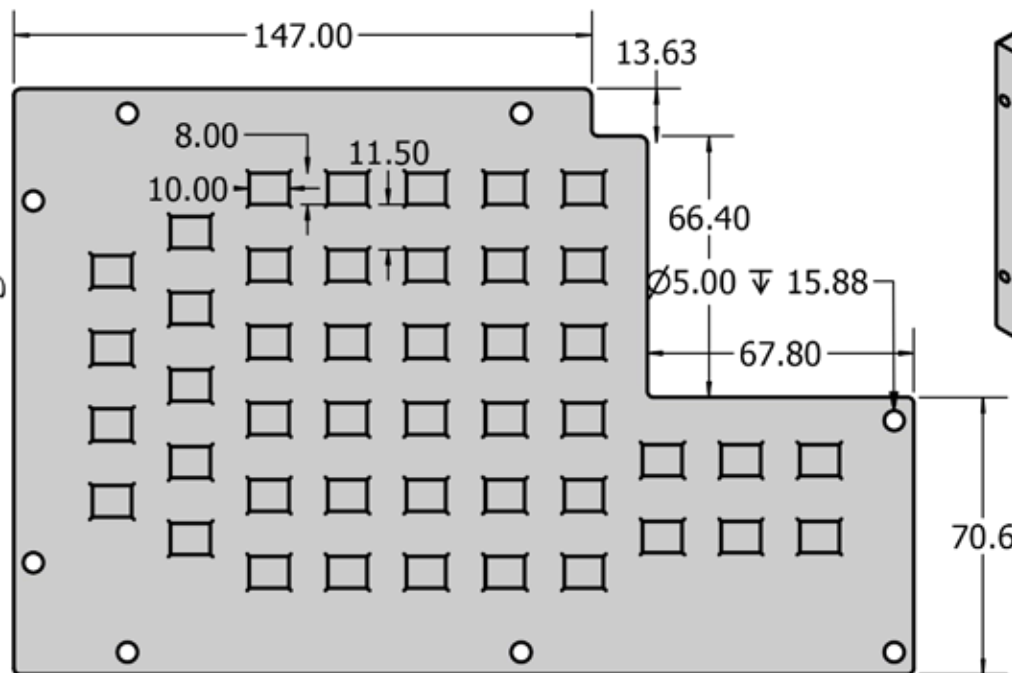
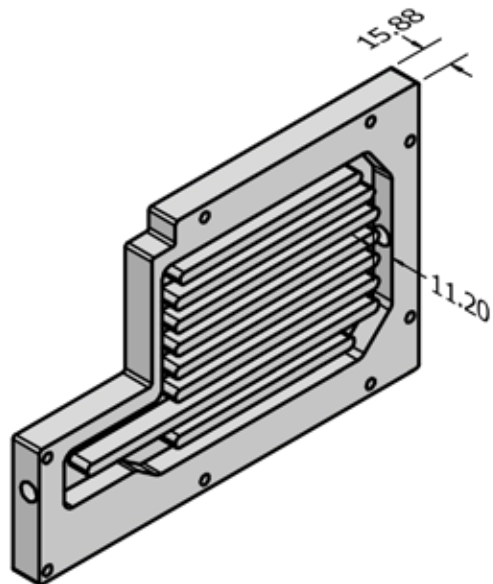
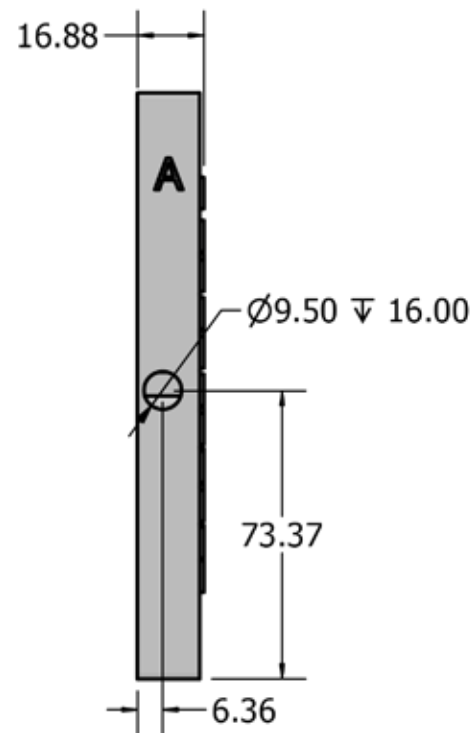
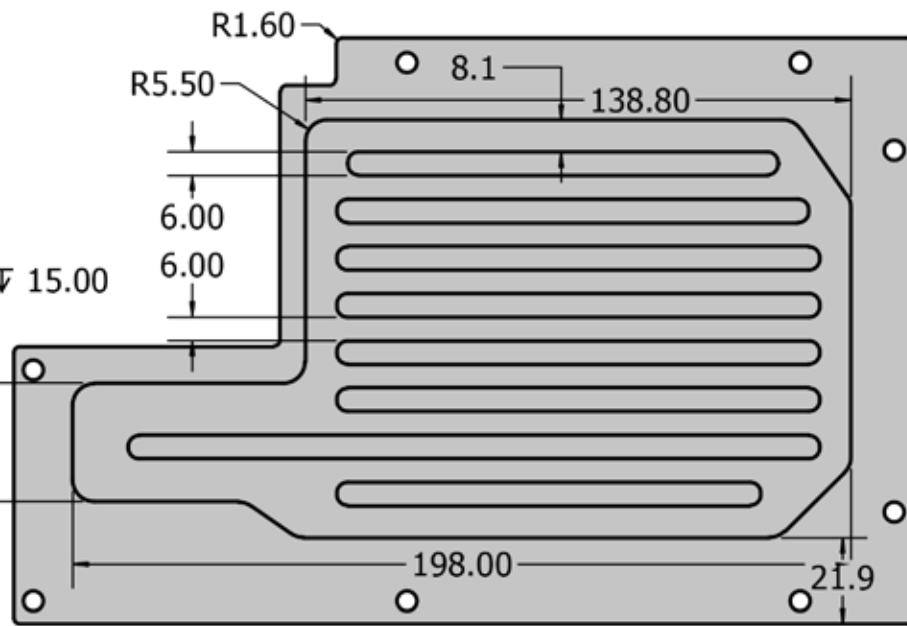
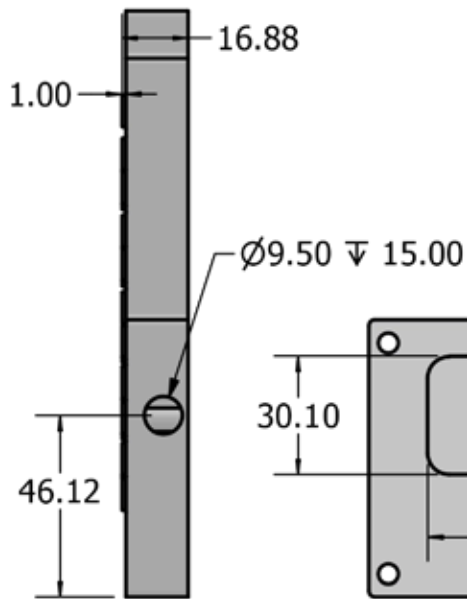
1/8" Aluminum Bar



DRAWN [\[Interactive\]](#)
Andrew Reichenbach
SCALE .72

Block_Chip(.664") (x1)

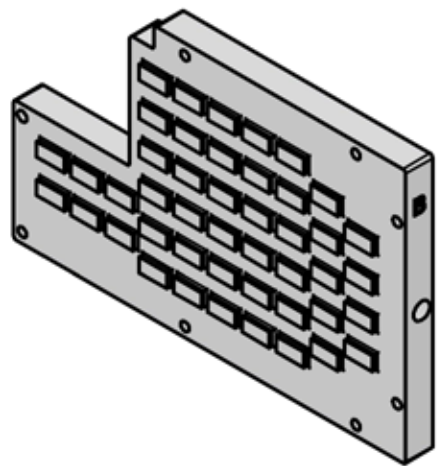
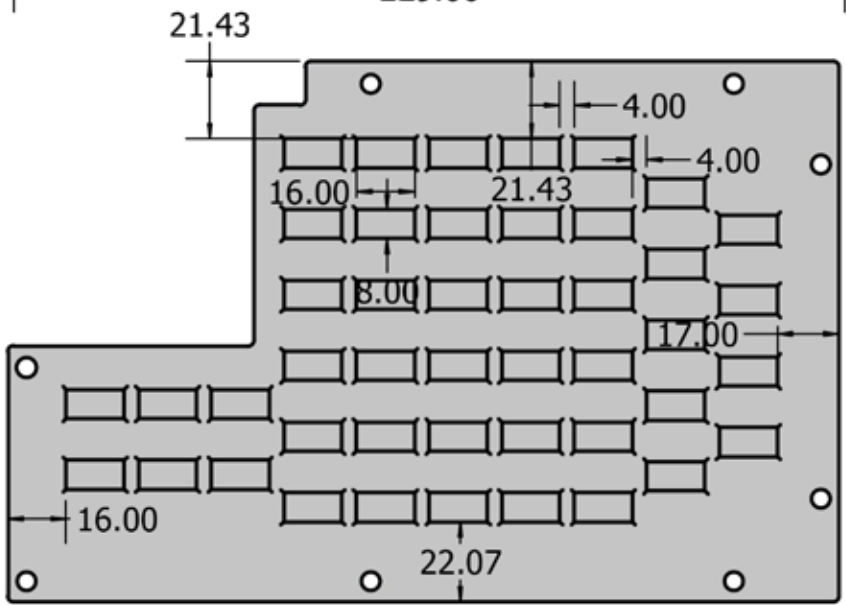
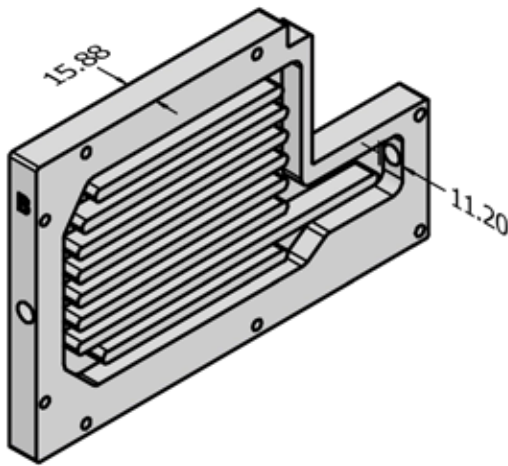
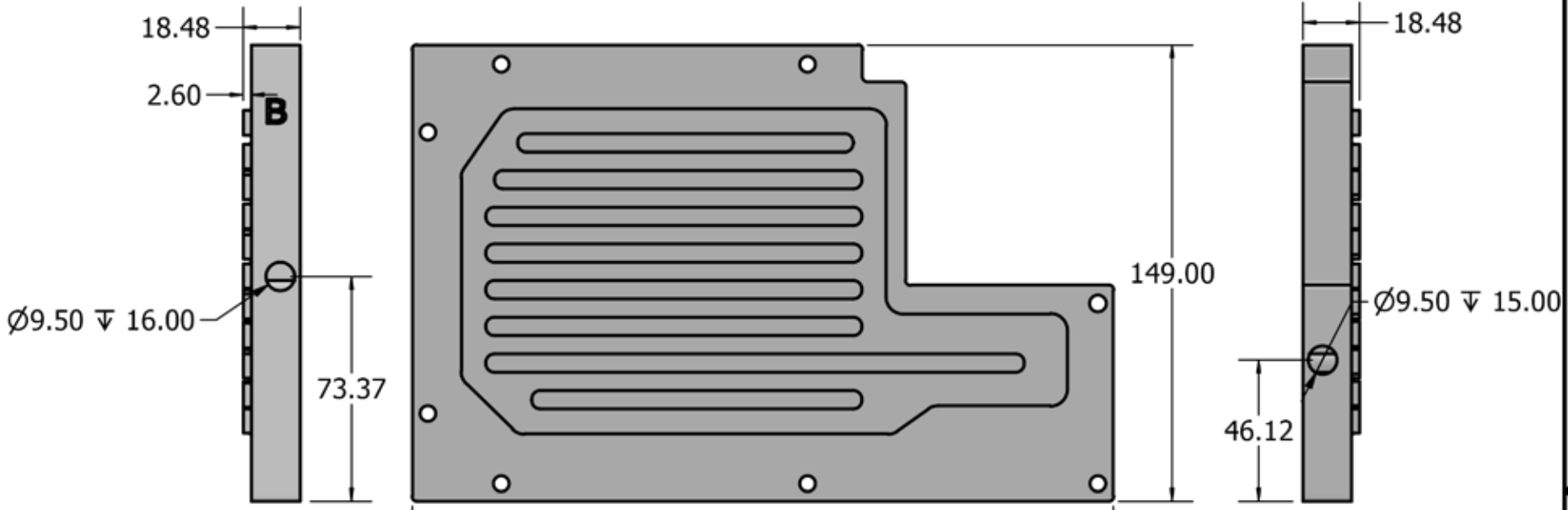
(.6875")11/16" Aluminum Bar



DRAWN [\[Interactive\]](#)
Andrew Reichenbach
SCALE .52

Block_Heatsink(.727") (x1)

3/4" Aluminum Bar



DRAWN [Interactive]
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SCALE .48

Parting Pics

